| Inde | ex of C | laims |
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|      |         |       |

| App | lication | /Control | No. |
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|     |          |          |     |

10/602,452

Examiner

Vinh T. Luong

Applicant(s)/Patent under Reexamination

JO ET AL.

Art Unit

3682

| 1  | Rejected |
|----|----------|
| II | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N     | Non-Elected  |
|-------|--------------|
| <br>1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          | aim      | _        |              |                    |              | 201   |              |              |                                | _        | 1 | Cla      | im       |               |   |
|----------|----------|----------|--------------|--------------------|--------------|---|--------------|--------------|--------------------------------|----------|---|----------|----------|---------------|---|
| -01      | 1        | Н        | _            |                    | _            | Date  |              |              | $\overline{}$                  | Н        |   | Cla      | 1111     | -             | _ |
| Final    | Original | 7/13/05  |              | 8                  |              |   |              |              |                                |          |   | Final    | Original |               |   |
| _1_      | 1        | =        |              |                    |              |   |              |              |                                |          |   |          | 51       |               | _ |
| 2        | 2        | =        |              |                    |              |   |              |              |                                |          |   |          | 52       |               | _ |
| 3_       | 3        | =        |              |                    |              |   |              |              |                                |          |   |          | 53       |               |   |
| 4        | 4        | =        | _            | L                  | L            |   |              |              |                                |          |   |          | 54       |               | _ |
| 5        | 5        | =        | _            |                    | _            | $ldsymbol{ld}}}}}}$ | <u> </u>     |              |                                | Ш        |   |          | 55       | _             |   |
| 6        | ل6)      | =        |              |                    | _            | <u> </u>  | _            |              |                                |          |   |          | 56       |               |   |
|          | 12       | L        |              |                    | _            | _   | 匚            | _            |                                |          |   |          | 57       | $\rightarrow$ | _ |
|          | 18/      | <u> </u> | <u> </u>     |                    | _            | _   | <u> </u>     |              | $\vdash$                       |          |   |          | 58       | $\vdash$      | _ |
|          | 9        | _        | <u> </u>     |                    | _            | <u> </u>  | <u> </u>     | $\vdash$     |                                | _        |   |          | 59       |               | _ |
|          | 10       | _        | ┡            |                    |              | -   | <u> </u>     | _            |                                | _        |   |          | 60       | -             | _ |
| <b>_</b> | 11       | _        |              | H                  |              | -   | <del> </del> |              | ⊢                              | Н        |   |          | 61       | $\dashv$      | _ |
| <u> </u> | 12       | L        |              | ├                  | -            | -   | $\vdash$     | _            | _                              | Н        |   |          | 62<br>63 | $\dashv$      |   |
| <u> </u> | 13<br>14 | -        | ⊢            | $\vdash$           |              | _   |              |              | H                              | _        |   |          | 64       | Н             |   |
| <u> </u> | 15       | -        | <del> </del> | -                  | -            | _   | -            | -            | ⊢                              | -        |   |          | 65       | -             |   |
| <u> </u> | 16       | H        | ┡            | _                  | ⊢            |   | <del> </del> | $\vdash$     | <del> </del>                   |          |   |          | 66       | -             | - |
|          | 17       | <u> </u> | -            |                    |              | -   | -            | Ь—           | <u> </u>                       | -        |   |          | 67       | $\dashv$      | _ |
| <u> </u> | 18       | -        | -            | -                  |              |   | -            | <u> </u>     | $\vdash$                       | <u> </u> |   |          | 68       | $\dashv$      | _ |
| ├—       | 19       | <u> </u> | ├            | ⊢                  | ├            | ├   | $\vdash$     | _            | ⊢                              | $\vdash$ |   |          | 69       |               | - |
|          |          | -        | -            | -                  | -            | ⊢   | ⊢            | ├            | ⊢                              | -        |   |          | 70       | $\vdash$      | _ |
| <u> </u> | 20<br>21 | -        |              | -                  | ⊢            | ├   | ⊢            | <del> </del> | ⊢                              | -        |   |          | 71       | Н             | _ |
| <u> </u> | 22       | ├        | <del> </del> | ⊢                  | ⊢            | ├   | $\vdash$     | ├            | ┝                              | _        |   |          | 72       | Н             | _ |
| <u> </u> | 22       | -        | ├            | ┝                  | ┢            | ┝   | ⊢            | $\vdash$     | $\vdash$                       | ┝        |   |          | 73       | $\vdash$      | - |
| -        | 23<br>24 |          | ⊢            | <del> </del>       | ├            | $\vdash$  | -            | $\vdash$     | ⊢                              | $\vdash$ |   |          | 74       | -             | - |
|          | 25       | -        | -            | $\vdash$           | ⊢            | ┝   | ├            | ⊢            | ┝                              | $\vdash$ |   |          | 75       | H             | - |
| -        | 26       | -        | ⊢            | -                  | -            | ┝   | ├            | _            | -                              | -        |   |          | 76       | H             | - |
|          | 27       |          | $\vdash$     | $\vdash$           | $\vdash$     | -   | -            | $\vdash$     | $\vdash$                       | H        |   |          | 77       | Н             | _ |
|          | 28       |          | $\vdash$     |                    | $\vdash$     | ┢   | Η.           | _            | $\vdash$                       |          |   |          | 78       | $\vdash$      | - |
|          | 29       |          | ┢            | _                  | H            | $\vdash$  | 一            | -            | $\vdash$                       |          |   |          | 79       | H             | _ |
| <b></b>  | 30       |          | ┢═           | _                  | $\vdash$     | $\vdash$  | $\vdash$     | -            | $\vdash$                       |          |   |          | 80       | H             | _ |
|          | 31       |          |              |                    | 1            | ┢   | t            | -            | -                              |          |   |          | 81       |               | _ |
|          | 32       | $\vdash$ | $\vdash$     |                    |              | 1   |              |              |                                |          |   |          | 82       |               | _ |
|          | 33       |          | Т            |                    | Т            | _   |              | $\vdash$     | _                              |          |   |          | 83       |               | _ |
|          | 34       | 一        |              |                    | Т            |   |              | $\vdash$     |                                | Г        |   |          | 84       | П             | _ |
|          | 35       |          |              |                    | _            |   | $\vdash$     | $\vdash$     |                                |          |   |          | 85       |               | _ |
|          | 36       |          |              |                    | Г            |   |              |              |                                |          |   |          | 86       | П             |   |
|          | 37       |          |              |                    |              |   |              |              |                                |          |   |          | 87       | П             | _ |
|          | 38       |          |              | Т                  |              | Г   |              |              |                                |          | l |          | 88       | П             | Ī |
|          | 39       | Г        |              | П                  |              |   |              |              |                                |          |   |          | 89<br>90 |               | _ |
|          | 40       | Π        |              |                    |              |   | Г            |              |                                |          |   |          | 90       |               |   |
|          | 41       |          |              |                    |              |   |              |              | Γ                              |          |   |          | 91       |               |   |
|          | 42       |          |              |                    |              |   |              |              |                                |          |   |          | 92       |               |   |
|          | 43       |          |              |                    |              | 匚   | -            |              |                                |          |   |          | 93       |               | _ |
|          | 44       |          |              |                    |              |   | $\Box$       |              |                                |          |   |          | 94       | Ш             |   |
|          | 45       |          |              |                    |              |   |              |              |                                |          |   |          | 95       |               | _ |
|          | 46       | 匚        | $\Box$       | $\Box$             | L            |   | 匚            | 匚            | _                              | _        |   | <u> </u> | 96       | Ш             | _ |
|          | 47       | _        | _            | $oxedsymbol{oxed}$ |              | L   | $oxed{oxed}$ | $oxed{oxed}$ |                                |          |   | <u> </u> | 97       | Ц             | - |
|          | 48       | L_       | <u> </u>     | L                  | $oxed{oxed}$ | <u> </u>  | ļ            | _            | $oldsymbol{oldsymbol{\sqcup}}$ | _        |   |          | 98       | Ш             | _ |
|          | 49       |          | <u> </u>     | $\vdash$           | _            |   | <u> </u>     | _            | ᆫ                              | Ц        |   |          | 99       | Щ             | _ |
|          | 50       | L        | $oxed{oxed}$ | L_                 | <u>L</u>     | 1_  | L            | <u> </u>     | L                              | L        | l |          | 100      |               | L |

| Cla      | im       |          |          |          |          | ate          | <del></del> |          |  |              |
|----------|----------|----------|----------|----------|----------|--------------|-------------|----------|--|--------------|
|          |          |          | $\Box$   |          |          |              |             |          |  |              |
| Final    | Original |          |          |          |          |              |             |          |  |              |
|          | 51       |          |          |          |          |              |             |          |  |              |
| <u></u>  | 52       |          |          |          | Ш        | Щ            |             |          | Ш  |              |
|          | 53       |          |          |          | -        |              |             |          |  |              |
|          | 54<br>55 | _        |          |          | -        |              | _           |          |  | _            |
| $\vdash$ | 56       |          | $\vdash$ |          | -        |              | _           |          | -  |              |
|          | 57       | _        | -        |          | $\dashv$ |              |             | _        | $\vdash$   |              |
| -        | 58       |          | -        |          |          | -            |             | _        | Н  |              |
| -        | 59       | $\equiv$ |          |          | $\vdash$ |              |             |          |  |              |
|          | 60       |          |          | _        |          |              |             |          | П  | _            |
|          | 61       |          |          |          |          |              |             |          |  |              |
|          | 62       |          |          |          |          |              |             |          |  |              |
|          | 63       |          |          |          |          |              |             |          |  |              |
|          | 64       |          |          |          |          |              |             |          | Ш  |              |
|          | 65       |          |          | _        |          |              | $\Box$      |          |  |              |
|          | 66       | _        |          | _        |          |              |             | _        |  |              |
|          | 67       | _        | _        |          | _        |              |             |          |  |              |
| -        | 68<br>69 | -        |          | _        | _        |              | $\dashv$    |          | $\vdash$   | _            |
|          | 70       |          |          |          | $\vdash$ |              |             |          | $\vdash$   |              |
| -        | 71       |          | -        |          |          |              |             | -        | $\vdash$   |              |
| <b>—</b> | 72       |          | -        |          |          |              | $\vdash$    |          |  |              |
|          | 73       |          |          | _        |          | _            |             |          | _  |              |
|          | 74       |          |          |          |          |              |             |          |  |              |
|          | 75       |          |          |          |          |              |             |          |  |              |
|          | 76<br>77 |          |          |          |          |              |             |          |  |              |
| <u> </u> | 77       |          | Ш        |          | _        |              |             |          |  | _            |
| <u> </u> | 78       |          |          | _        | <u> </u> |              |             | _        |  | _            |
| -        | 79<br>80 |          | _        | -        |          |              | _           |          |  | _            |
| -        | 80       |          | -        |          | $\vdash$ |              |             |          | -  | _            |
| -        | 81<br>82 |          |          | -        | ├        | -            |             | _        |  | _            |
|          | 83       | $\vdash$ | $\vdash$ | -        | -        | $\vdash$     | -           |          | $\vdash$   | $\vdash$     |
|          | 84       | Н        |          |          |          | ┢            | Н           | _        |  | -            |
|          | 85       |          |          |          | $\Box$   |              |             |          |  |              |
|          | 86       |          |          |          |          |              |             |          |  |              |
|          | 87       |          |          |          |          |              |             |          |  |              |
|          | 88       |          |          |          |          | <u> </u>     | L_          | _        |  |              |
| <b>—</b> | 89       |          |          | _        | _        |              | L.          |          | _  | <u> </u>     |
| -        | 90       | <u> </u> | _        | $\vdash$ |          | <u> </u>     | <u> </u>    | <u> </u> | -  | ├            |
|          | 91<br>92 | -        |          | $\vdash$ | -        | <del> </del> | H           | <u> </u> | $\vdash$   | -            |
| -        | 93       | $\vdash$ | $\vdash$ | ├-       | -        | $\vdash$     | $\vdash$    | _        |  | $\vdash$     |
| -        | 94       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$    |          | <del>                                     </del> | $\vdash$     |
| $\vdash$ | 95       | $\vdash$ |          | Н        |          | H            | $\vdash$    |          | $\vdash$   | $\vdash$     |
|          | 96       | Ι        | П        | Г        | Г        | Г            | Г           | Г        | T  | Г            |
|          | 97       | Г        |          |          |          |              |             |          |  |              |
|          | 98       |          |          |          |          |              |             |          |  |              |
|          | 99       |          |          |          |          |              |             |          |  | $oxed{\Box}$ |
|          | 1 400    |          |          |          |          |              |             |          |  |              |

| Final  | ual<br>Ual        |  |  |  |  |  | $\overline{}$ |  |          |  |
|--|-------------------|--|--|--|--|--|---------------|--|----------|--|
| Final  | na                | . 1  |  |  |  |  |               | 1  |          |  |
|  | Original          |  |  |  |  |  |               |  |          |  |
| 1 I  |                   |  |  |  |  |  |               |  | _        |  |
| 1  | 101<br>102        |  | Н  |  | -  | _  | $\vdash$      |  | _        | _  |
| $\vdash$   | 102               | _  | -  | _  | _  |  | -             | _  | $\vdash$ |  |
| <del>                                     </del> | 103               | _  | _  |  | _  | _  | _             |  | Н        | _  |
|  | 104<br>105        | $\vdash$   | _  | _  |  | _  |               |  | Ш        |  |
|  | 105               | _  | _  |  |  |  |               |  |          | _  |
|  | 106               | _  | _  | _  |  | Щ  | Щ             | _  | <u> </u> | Щ  |
|  | 107               |  | _  |  |  |  |               |  | <u> </u> | _  |
| $\vdash$   | 108               |  | _  |  |  |  |               |  | <u> </u> |  |
| <u> </u>   | 109               |  | _  |  |  | _  |               |  |          |  |
|  | 110               | _  |  |  |  |  |               | _  |          | _  |
| $\vdash$   | 111               | $\vdash$   |  |  |  |  | _             |  | _        |  |
| $\vdash$   | 112               | lacksquare                                       | <u> </u>   | L  |  |  | Ш             | Ш  | <u> </u> | Ш  |
| $\vdash$   | 113               | $oxed{oxed}$                                     | $\vdash$   | L.,  | $\vdash$   | L  | Ш             | L  | <u> </u> |  |
| <b>├</b>   | 114               | <u> </u>   | $\vdash$   | Ш  |  | Щ.   | Щ.            |  | <u> </u> | L  |
| <b></b>  | 115               | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | <u> </u>   | $ldsymbol{ldsymbol{eta}}$                        |  | Ш  | Ш             | _  | _        | Щ  |
| $\perp$  | 116               |  | Ш  | L_   | $\Box$   | L.,  | <u>_</u>      |  | <u></u>  | _  |
|  | 117               | _  | Щ  | L_   | Щ  | L  | L.            | L  | L        |  |
|  | 118               |  | L  |  |  |  |               |  |          |  |
|  | 119               |  | L  |  |  |  |               |  |          |  |
|  | 120               | L  |  |  |  |  |               |  |          |  |
|  | 120<br>121<br>122 | L  |  |  |  |  |               |  | _        |  |
|  | 122               | <u> </u>   |  |  |  |  |               | _  | _        |  |
|  | 123<br>124        | L  |  | L  | L  | Ш  |               |  | L_       | _  |
| ·  | 124               | <u> </u>   |  |  | _  |  |               | _  | <u> </u> |  |
|  | 125               | <u> </u>   | L  | <u> </u>   | <u> </u>   | _  | -             | <u> </u>   | _        |  |
|  | 126<br>127        | <u> </u>   | <u> </u>   | <u> </u>   | _  |  | $\vdash$      | _  | -        | L  |
| $\vdash$   | 127               | <u> </u>   | <u> </u>   | <u> </u>   | L  | _  | <u> </u>      | <u> </u>   | <u> </u> | ⊢  |
| -  | 128<br>129        | ⊢  | -  | -  | $\vdash$   | -  | _             | -  | <u> </u> | H  |
|  | 130               | $\vdash$   |  |  | -  | <u> </u>   | -             | -  | -        | _  |
| $\vdash$   | 130               | ⊢  | -  | ⊢  |  | -  | <u> </u>      | ⊢  | ⊢        | -  |
| <del></del>                                      | 131<br>132        | ├  | $\vdash$   | $\vdash$   | -  | -  | -             | -  | $\vdash$ | <u> </u>   |
|  | 133               | $\vdash$   | -  | <u> </u>   | ├  | ├  | ⊢             | ⊢  | $\vdash$ | $\vdash$   |
| $\vdash$   | 134               | ├  | $\vdash$   | $\vdash$   | ⊢  | $\vdash$   | $\vdash$      | $\vdash$   | $\vdash$ | ├  |
|  | 135               | -  | -  | -  |  | -  | ⊢             | $\vdash$   | $\vdash$ | <del> </del>                                     |
| $\vdash$   | 136               | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |               | -  | -        | $\vdash$   |
| <del>  </del>                                    | 137               | $\vdash$   | -  | -  | $\vdash$   | $\vdash$   | -             | $\vdash$   | $\vdash$ | $\vdash$   |
| $\vdash$   | 137<br>138        | ├-   | ╁  | <del> </del>                                     | -  | -  | -             | -  | $\vdash$ | $\vdash$   |
| -  | 130               | ⊢  | $\vdash$   | -  | -  |  | ┝             | $\vdash$   | ┢        | -  |
| -  | 139<br>140        | $\vdash$   | H  | ┢  | -  | -  | ┢             | -  | ├        | $\vdash$   |
| $\vdash$   | 141               | $\vdash$   | ├  | $\vdash$   | ┢  | $\vdash$   | ⊢             | ┢╾   | ┢╾       | $\vdash$   |
| $\vdash$   | 142               | $\vdash$   | <del> </del>                                     | $\vdash$   | $\vdash$   | <del>                                     </del> | <b>-</b>      |  |          | <del>  -</del>                                   |
|  | 143               | $\vdash$   |  | ┢  | ┢  | $\vdash$   |               | $\vdash$   | $\vdash$ | <del>                                     </del> |
|  | 144               | <del>                                     </del> | <del>                                     </del> |  | <del>                                     </del> | $\vdash$   | $\vdash$      | $\vdash$   | $\vdash$ | T  |
|  | 145               |  |  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$      | T  | H        |  |
| $\vdash$   | 146               | <del>                                     </del> | 1  | <del>                                     </del> | <u> </u>   | <u> </u>   |               |  |          | _  |
|  | 147               | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | H  | $\vdash$      | $\vdash$   | $\vdash$ | T  |
|  | 148               |  | t  | <del>                                     </del> | <del>                                     </del> |  | Ι-            | <del>                                     </del> | $t^-$    | $\vdash$   |
|  | 149               | 1  | $\vdash$   | $\vdash$   | 1  | T  | T             | T  | T        | $t^-$  |
|  | 150               | T  | $\vdash$   | $\vdash$   | $\vdash$   | t  |               | t –  | $t^-$    | $\vdash$   |